

I claim:

1. A method for manufacturing a heat transfer device, comprising the steps of:  
forming tubing of a curable material;  
thereafter while the tubing is in a substantially uncured state, arranging said tubing into a desired shape such that surfaces of adjacent sections of the tubing are in contact with each other;  
and  
curing the shaped tubing while in said desired shape such that contacting surfaces said adjacent sections of said tubing are bonded together.
2. The method of claim 1, wherein said arranging step involves arranging sections of said tubing on a surface of a mold such that surfaces of adjacent sections of the tubing are in contact with each other.
3. The method of claim 1, wherein said curable material comprises an elastomeric material which is flexible after curing.
4. The method of claim 3, wherein said elastomeric material comprises a crosslinking silicone material .
5. The method of claim 1, wherein said curable material is crosslinkable and said curing step causes the contacting surfaces of adjacent segments of the tubing to be crosslinked to each other.
6. The method of claim 1, further including the step of forcing the surfaces of the adjacent sections of the tubing as arranged into the desired shape into greater contact with each other prior to or during said curing step.
7. The method of claim 6, wherein said forcing step involves flowing a pressurized medium

2 through said tubing.

1 8. The method of claim 1, wherein said curing step is performed at ambient conditions.

1 9. The method of claim 1, wherein said curing step is performed at a temperature of 100°F -  
2 575°F.

1 10. The method of claim 1, wherein a diameter of said tubing is  $\leq 3/8$  inch.

1 11. The method of claim 2, wherein a shape of said mold corresponds to a given body part.

1 12. The method of claim 1, further comprising the step of applying pressure to said tubing to  
2 increase an amount of surface area contact between adjacent segments of said tubing as  
3 arranged in said desired shape, prior to or during said curing step.

1 13. The method of claim 12, wherein said pressure comprises at least one of a pneumatic  
2 pressure and a mechanical pressure.

1 14. The method of claim 12, wherein said pressure is applied to at least one of an internal surface  
2 and an external surface of said tube.

1 15. The method of claim 1, wherein said tubing comprises a single continuous length of tubing.

1 16. A heat transfer device formed according to the method of claim 1.

1 17. The device of claim 16, wherein said curable material comprises an elastomeric material  
2 which is flexible after curing.

1 18. The device of claim 16, wherein said curable material is at least one of a silicone material and  
2 a crosslinking material.

1 19. The device of claim 16, wherein the contacting surfaces of said adjacent segments of said  
2 tubing are crosslinked to each.

1 20. The device as set forth in claim 1, wherein a diameter of said tubing is  $\leq 3/8$  inch.